

Theo Chocolate Equation ☺



• What is our equation?

$$y = mx + b \rightarrow y = .366x$$

↑ ↑
slope y-intercept
 $\frac{\text{Rise}}{\text{Run}}$

• How is m & b related to our relationship?

- m relates because it is the slope in the equation. In the graph, the slope shows how steep the line is. It relates because they take 36.6¢ home for each bar sold.
- x represents the number of chocolate bars sold.

- b relates because it is the y-intercept in our equation. Our y-intercept is 0. It relates because it is how much money they started with.
- y represents how much money a Theo Chocolate employee takes home for each chocolate bar sold.



Nestlé Chocolate

Table

Y-intercept

X	Y
0	0.00
1	0.10
2	0.20
3	0.30
4	0.40
5	0.50
6	0.60

$$\frac{Y_2 - Y_1}{X_2 - X_1} = \frac{.30 - .20}{3 - 2} = .10$$

$$M = \frac{.10}{1} \quad Y = 0$$

Hershey Chocolate Graph

